

Rec'd PCT/PTO 01 MAR 2006

10/523191

**RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/523,191A  
Source: PTG  
Date Processed by STIC: 3/1/06

***ENTERED***



PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,191A

DATE: 03/01/2006

TIME: 13:48:07

Input Set : A:\pto.da.txt  
 Output Set: N:\CRF4\03012006\J523191A.raw

3 <110> APPLICANT: Kaneka Corporation,  
 4 Nagoya Industrial Science Research Institute (Chubu Technology Licensing  
 5 Office)  
 7 <120> TITLE OF INVENTION: Method of expressing gene in transgenic birds using  
 retrovirus vector and  
 8 transgenic birds thus obtained  
 10 <130> FILE REFERENCE: T753/TRANS-1  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/523,191A  
 C--> 12 <141> CURRENT FILING DATE: 2005-01-25  
 12 <150> PRIOR APPLICATION NUMBER: JP P2002-236089  
 13 <151> PRIOR FILING DATE: 2002-08-13  
 15 <160> NUMBER OF SEQ ID NOS: 37  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 25  
 19 <212> TYPE: DNA  
 20 <213> ORGANISM: Artificial Sequence  
 22 <220> FEATURE:  
 23 <223> OTHER INFORMATION: Designed sequence of a 5'-primer used for PCR amplification  
 of the Miw  
 24 promoter 5' region fragment  
 26 <400> SEQUENCE: 1  
 27 cggtagatcgaaattcgttg 25  
 30 <210> SEQ ID NO: 2  
 31 <211> LENGTH: 26  
 32 <212> TYPE: DNA  
 33 <213> ORGANISM: Artificial Sequence  
 35 <220> FEATURE:  
 36 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I  
 recognition site  
 37 at the 5' terminal used for PCR amplification of the Miw promoter 5' region  
 38 fragment  
 40 <400> SEQUENCE: 2  
 41 ccaggatccg acgtttaaa acgacg 26  
 44 <210> SEQ ID NO: 3  
 45 <211> LENGTH: 28  
 46 <212> TYPE: DNA  
 47 <213> ORGANISM: Artificial Sequence  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Hind III  
 recognition  
 51 site at the 5' terminal used for PCR amplification of the Miw promoter 3' region  
 52 fragment  
 54 <400> SEQUENCE: 3  
 55 ccaaagcttg ccgcagccat tgccttt 28

58 <210> SEQ ID NO: 4  
59 <211> LENGTH: 27  
60 <212> TYPE: DNA

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61 <213> ORGANISM: Artificial Sequence  
63 <220> FEATURE:  
64 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Bln I  
recognition site  
65       at the 5' terminal used for PCR amplification of the Miw promoter 3' region  
66       fragment  
68 <400> SEQUENCE: 4  
69 ataccttaggg gctggctgcg gaggaac 27  
72 <210> SEQ ID NO: 5  
73 <211> LENGTH: 29  
74 <212> TYPE: DNA  
75 <213> ORGANISM: Artificial Sequence  
77 <220> FEATURE:  
78 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Nhe I  
recognition site  
79       at the 5' terminal used for PCR amplification of the chicken beta-actin promoter  
80       fragment lacking the intron  
82 <400> SEQUENCE: 5  
83 tttagctago tgcagctcag. tgcattgcac 29  
86 <210> SEQ ID NO: 6  
87 <211> LENGTH: 27  
88 <212> TYPE: DNA  
89 <213> ORGANISM: Artificial Sequence  
91 <220> FEATURE:  
92 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Xba I  
recognition site  
93       at the 5' terminal used for PCR amplification of the chicken beta-actin promoter  
94       fragment lacking the intron  
96 <400> SEQUENCE: 6  
97 ataatctaga aacgcagcga ctccgc 27  
100 <210> SEQ ID NO: 7  
101 <211> LENGTH: 25  
102 <212> TYPE: DNA  
103 <213> ORGANISM: Artificial Sequence  
105 <220> FEATURE:  
106 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Xho I  
recognition site  
107       at the 5' terminal used for PCR amplification of the coding fragment of the  
108       human antibody light chain kappa constant region  
110 <400> SEQUENCE: 7  
111 atcctcgaga ggc当地aaagta cagtg 25  
114 <210> SEQ ID NO: 8  
115 <211> LENGTH: 33  
116 <212> TYPE: DNA  
117 <213> ORGANISM: Artificial Sequence  
119 <220> FEATURE:  
120 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I  
recognition site  
121       at the 5' terminal used for PCR amplification of the coding fragment of the  
122       human antibody light chain kappa constant region  
124 <400> SEQUENCE: 8  
125 cccggatccc taacactctc ccctgttcaa gct 33  
128 <210> SEQ ID NO: 9

129 <211> LENGTH: 48

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Input Set : A:\pto.da.txt

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130 <212> TYPE: DNA  
131 <213> ORGANISM: Artificial Sequence  
133 <220> FEATURE:  
134 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I recognition site  
135       at the 5' terminal used for PCR amplification of the coding fragment of the  
136       human antibody light chain variable region  
138 <400> SEQUENCE: 9  
139 agcggccgct acaggtgtcc actccgacat cgtgatgacc cagtctcc 48  
142 <210> SEQ ID NO: 10  
143 <211> LENGTH: 34  
144 <212> TYPE: DNA  
145 <213> ORGANISM: Artificial Sequence  
147 <220> FEATURE:  
148 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Xho I recognition site  
149       at the 5' terminal used for PCR amplification of the coding fragment of the  
150       human antibody light chain variable region  
152 <400> SEQUENCE: 10  
153 cctctcgagg atagaagttt ttcagcaggc acac 34  
156 <210> SEQ ID NO: 11  
157 <211> LENGTH: 32  
158 <212> TYPE: DNA  
159 <213> ORGANISM: Artificial Sequence  
161 <220> FEATURE:  
162 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Xho I recognition site  
163       at the 5' terminal used for PCR amplification of the coding fragment of the  
164       human antibody heavy chain mu constant region  
166 <400> SEQUENCE: 11  
167 accttcgagcg tggccgttgg ctgcctcgca ca 32  
170 <210> SEQ ID NO: 12  
171 <211> LENGTH: 32  
172 <212> TYPE: DNA  
173 <213> ORGANISM: Artificial Sequence  
175 <220> FEATURE:  
176 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Hind III recognition site  
177       site at the 5' terminal used for PCR amplification of the coding fragment of  
the  
178       human antibody heavy chain mu constant region  
180 <400> SEQUENCE: 12  
181 actaagctta cgttgtacag ggtgggttta cc 32  
184 <210> SEQ ID NO: 13  
185 <211> LENGTH: 48  
186 <212> TYPE: DNA  
187 <213> ORGANISM: Artificial Sequence  
189 <220> FEATURE:  
190 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I recognition site  
191       at the 5' terminal used for PCR amplification of the coding fragment of the  
192       human antibody heavy chain variable region  
194 <400> SEQUENCE: 13

195 agcggccgct acaggtgtcc actccgaggt gcagctggtg gagtctgg 48  
198 <210> SEQ ID NO: 14

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,191A

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Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03012006\J523191A.raw

199 <211> LENGTH: 36  
 200 <212> TYPE: DNA  
 201 <213> ORGANISM: Artificial Sequence  
 203 <220> FEATURE:  
 204 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Xho I recognition site  
     at the 5' terminal used for PCR amplification of the coding fragment of the  
     human antibody heavy chain variable region  
 208 <400> SEQUENCE: 14  
 209 cacgctcgag gtatccgacg gggatttgc acagga 36  
 212 <210> SEQ ID NO: 15  
 213 <211> LENGTH: 49  
 214 <212> TYPE: DNA  
 215 <213> ORGANISM: Artificial Sequence  
 217 <220> FEATURE:  
 218 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Hind III recognition site  
     site at the 5' terminal used for DNA polymerase reaction to construct the  
 coding...  
     fragment of the human epidermal growth factor receptor transmembrane region  
 220 <400> SEQUENCE: 15  
 223 cccaagcttg atctccactg ggatgggtggg ggccttcctc ttgctgtcg 49  
 226 <210> SEQ ID NO: 16  
 227 <211> LENGTH: 78  
 228 <212> TYPE: DNA  
 229 <213> ORGANISM: Artificial Sequence  
 231 <220> FEATURE:  
 232 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I recognition site  
     at the 5' terminal used for DNA polymerase reaction to construct the coding  
     fragment of the human epidermal growth factor receptor transmembrane region  
 233 <400> SEQUENCE: 16  
 237 cccggatcct cagtcaaggc gccttcgcattt gaagaggccg atccccagg ccaccaccagg 60  
 238 cagcaagagg agggcccc 78  
 241 <210> SEQ ID NO: 17  
 242 <211> LENGTH: 31  
 243 <212> TYPE: DNA  
 244 <213> ORGANISM: Artificial Sequence  
 246 <220> FEATURE:  
 247 <223> OTHER INFORMATION: Designed oligonucleotide used for site-directed mutagenesis  
 to generate  
     the Nar I recognition site at the 3' terminal of the coding fragment of the  
     human antibody light chain variable region  
 251 <400> SEQUENCE: 17  
 252 tgaagacaga tggcgccgcc acagttcggtt t 31  
 255 <210> SEQ ID NO: 18  
 256 <211> LENGTH: 30  
 257 <212> TYPE: DNA  
 258 <213> ORGANISM: Artificial Sequence  
 260 <220> FEATURE:  
 261 <223> OTHER INFORMATION: Designed oligonucleotide used for site-directed mutagenesis  
 to generate  
     the BamH I recognition site at the 3' terminal of the coding fragment of the

263        human antibody heavy chain variable region  
265 <400> SEQUENCE: 18

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,191A

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TIME: 13:48:07

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03012006\J523191A.raw

266 tggggcggat gcggatcctg aggagacggt 30  
269 <210> SEQ ID NO: 19  
270 <211> LENGTH: 30  
271 <212> TYPE: DNA  
272 <213> ORGANISM: Artificial Sequence  
274 <220> FEATURE:  
275 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I recognition site  
276 at the 5' terminal used for PCR amplification of the coding fragment of the  
277 mouse antibody light chain variable region  
279 <400> SEQUENCE: 19  
280 cgcggccgcc tcagggaaag tttgaagatg 30  
283 <210> SEQ ID NO: 20  
284 <211> LENGTH: 36  
285 <212> TYPE: DNA  
286 <213> ORGANISM: Artificial Sequence  
288 <220> FEATURE:  
289 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Nar I recognition site  
290 at the 5' terminal used for PCR amplification of the coding fragment for the  
291 mouse antibody light chain variable region  
293 <400> SEQUENCE: 20  
294 cggcgccgaa acagtccgtt ttatttccag cttgggt 36  
297 <210> SEQ ID NO: 21  
298 <211> LENGTH: 30  
299 <212> TYPE: DNA  
300 <213> ORGANISM: Artificial Sequence  
302 <220> FEATURE:  
303 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I recognition site  
304 at the 5' terminal used for PCR amplification of the coding fragment of the  
305 mouse antibody heavy chain variable region  
307 <400> SEQUENCE: 21  
308 cgcggccgcg aacacggamc cctcaccatg 30  
311 <210> SEQ ID NO: 22  
312 <211> LENGTH: 28  
313 <212> TYPE: DNA  
314 <213> ORGANISM: Artificial Sequence  
316 <220> FEATURE:  
317 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I recognition site  
318 at the 5' terminal used for PCR amplification of the coding fragment of the  
319 mouse antibody heavy chain variable region  
321 <400> SEQUENCE: 22  
322 cggatcctgc agagacagt accagagt 28  
325 <210> SEQ ID NO: 23  
326 <211> LENGTH: 18  
327 <212> TYPE: DNA  
328 <213> ORGANISM: Artificial Sequence  
330 <220> FEATURE:  
331 <223> OTHER INFORMATION: Designed sequence of a 5'-primer used for PCR amplification of the coding  
332 fragment of the human antibody heavy chain gamma-1 constant region

334 <400> SEQUENCE: 23

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 03/01/2006  
PATENT APPLICATION: US/10/523,191A               TIME: 13:48:08

Input Set : A:\pto.da.txt  
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 7  
Seq#:2; Line(s) 36  
Seq#:3; Line(s) 51  
Seq#:4; Line(s) 64  
Seq#:5; Line(s) 78,79  
Seq#:6; Line(s) 92,93  
Seq#:7; Line(s) 106  
Seq#:8; Line(s) 120  
Seq#:9; Line(s) 134  
Seq#:10; Line(s) 148  
Seq#:11; Line(s) 162  
Seq#:12; Line(s) 177  
Seq#:13; Line(s) 190  
Seq#:14; Line(s) 204  
Seq#:15; Line(s) 219  
Seq#:16; Line(s) 232  
Seq#:19; Line(s) 275  
Seq#:20; Line(s) 289  
Seq#:21; Line(s) 303  
Seq#:22; Line(s) 317  
Seq#:23; Line(s) 331  
Seq#:24; Line(s) 344  
Seq#:25; Line(s) 357  
Seq#:26; Line(s) 372  
Seq#:27; Line(s) 385,386  
Seq#:28; Line(s) 399,400  
Seq#:29; Line(s) 413  
Seq#:30; Line(s) 427  
Seq#:31; Line(s) 441  
Seq#:32; Line(s) 454  
Seq#:33; Line(s) 467  
Seq#:35; Line(s) 494  
Seq#:36; Line(s) 507  
Seq#:37; Line(s) 520

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/523,191A

DATE: 03/01/2006

TIME: 13:48:08

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03012006\J523191A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date